

# NX-series Communications Interface Units

## NX-CIF

CSM\_NX-CIF\_DS\_E\_3\_1

## Provides simplicity and flexibility in connecting serial devices to EtherCAT

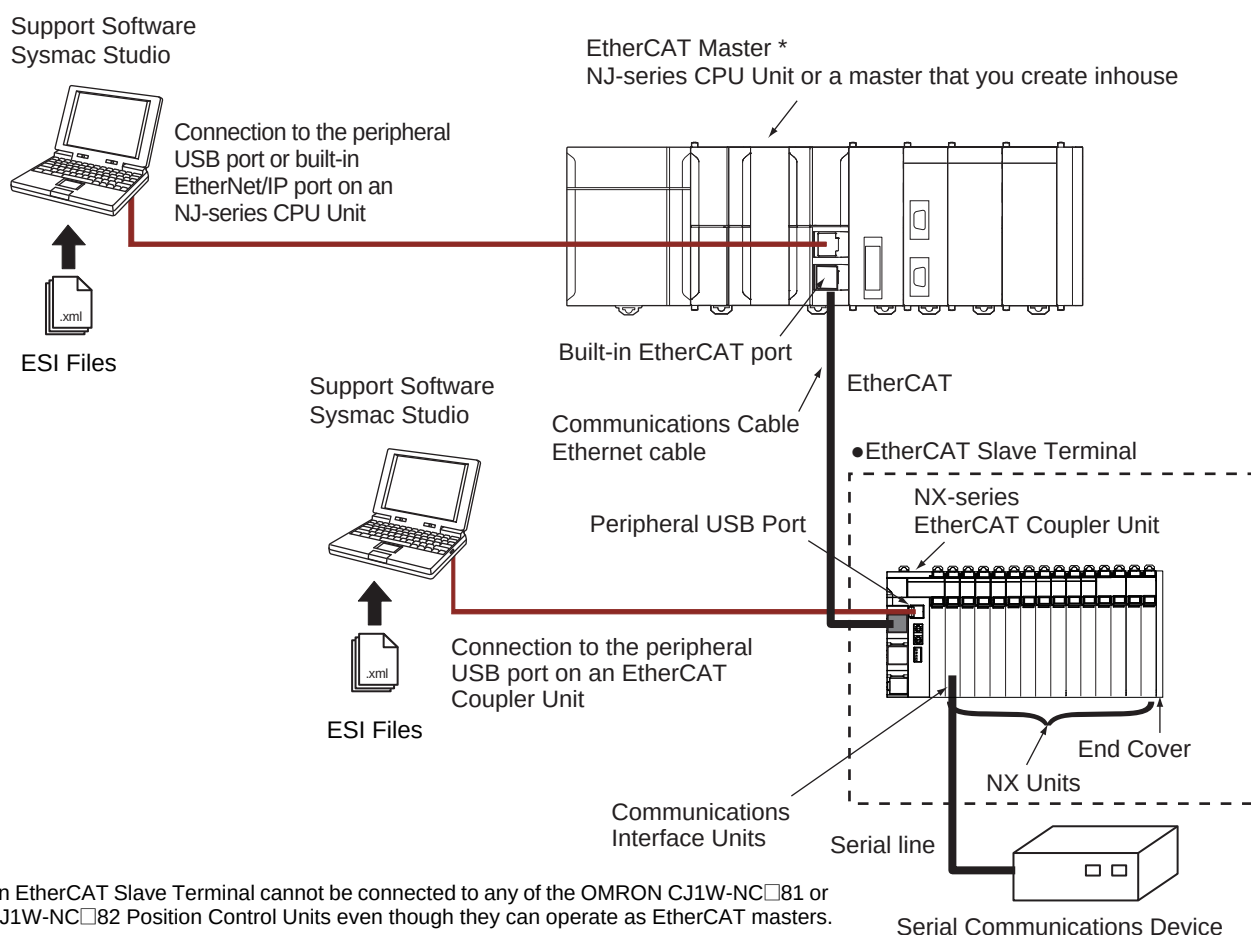
- Mount to the NX-series EtherCAT Coupler Unit and connect various types of serial devices.
- The serial line monitor on the Sysmac Studio helps easily and reliably connect serial devices.



## Features

- Just 12 mm wide, saving space in your cabinet.
- Three models are available with a choice of one RS-422A/485, one RS-232C, or two RS-232C ports.
- Screwless push-in terminal block (1-port model) and D-Sub connector (2-port model) significantly reduce wiring work.
- No-protocol communications are supported as the communications protocol.
- The maximum baud rate is 230.4 kbps. The baud rate can be selected to match the connected serial devices.
- The settings are backed up and saved in the EtherCAT Coupler Unit. This facilitates commissioning and maintenance.
- The serial line monitor enables you to check the communications status with serial devices on the Sysmac Studio for easy and reliable startup of the devices.

## System Configuration



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## Ordering Information

### International Standards

- The standards are abbreviated as follows: U: UL, U1: UL(Class I Division 2 Products for Hazardous Locations), C: CSA, UC: cULus, UC1: cULus (Class I Division 2 Products for Hazardous Locations), CU: cUL, N: NK, L: Lloyd, CE: EC Directives, RCM: Regulatory Compliance Mark, and KC: KC Registration.
- Contact your OMRON representative for further details and applicable conditions for these standards.

## Communications Interface Units

| Unit type                                | Product Name                   | Serial interface | External connection terminals     | Number of serial ports | Communications protocol     | Model     | Standards       |
|------------------------------------------|--------------------------------|------------------|-----------------------------------|------------------------|-----------------------------|-----------|-----------------|
| NX-series communications interface units | Communications Interface Units | RS-232C          | Screwless Clamping Terminal Block | 1 port                 | No-protocol<br>Signal lines | NX-CIF101 | UL, CE, RCM, KC |
|                                          |                                | RS-422A/485      |                                   |                        |                             | NX-CIF105 |                 |
|                                          |                                | RS-232C          | D-Sub connector                   | 2 ports                |                             | NX-CIF210 |                 |

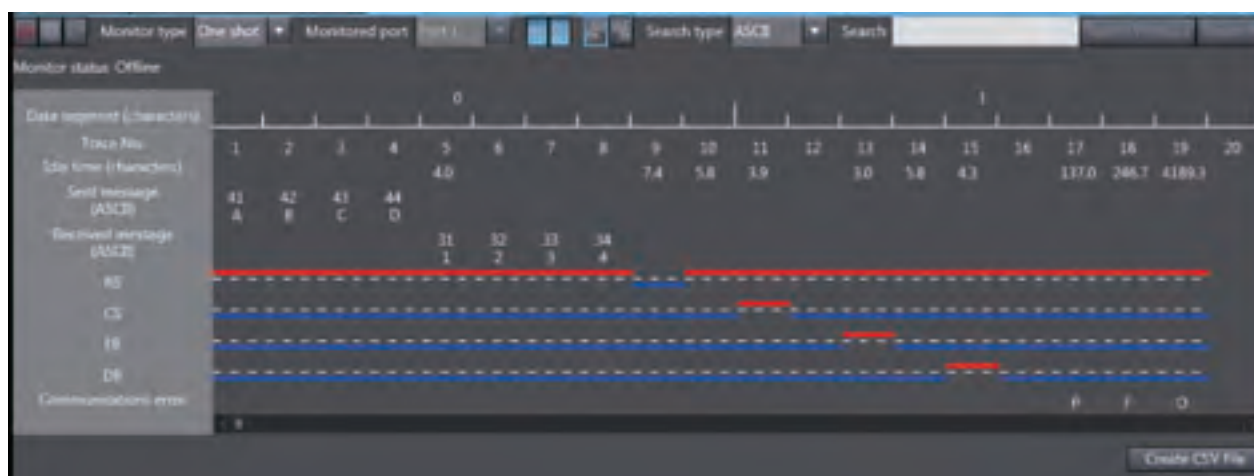
## Option

| Product name                    | Specification                                                  |                             |                      |                           | Model     | Standards |
|---------------------------------|----------------------------------------------------------------|-----------------------------|----------------------|---------------------------|-----------|-----------|
| Unit/Terminal Block Coding Pins | Pins for 10 Units<br>(30 terminal block pins and 30 Unit pins) |                             |                      |                           | NX-AUX02  | ---       |
| Product Name                    | Specification                                                  |                             |                      |                           | Model     | Standards |
|                                 | No. of terminals                                               | Terminal number indications | Ground terminal mark | Terminal current capacity |           |           |
| Terminal Block *                | 16                                                             | A/B                         | Present              | 10 A                      | NX-TBC162 | ---       |

\* These options can be used with the NX-CIF101 and NX-CIF105. (They cannot be used with the NX-CIF210.)

## Serial Line Monitor

On the Sysmac Studio, the monitor data is displayed in the CIF Serial Line Monitor tab page. The configuration of the CIF Serial Line Monitor tab page is shown below. The data values are shown from left to right along a time scale. The left edge is the starting point of the monitor.



## General Specification

| Item                  |                               | Specification                                                                                                                                                                                                                                                                         |
|-----------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Enclosure             |                               | Mounted in a panel.                                                                                                                                                                                                                                                                   |
| Grounding method      |                               | Ground of 100 $\Omega$ or less.<br>If a conductive DIN Track is used, a Communications Interface Units is grounded through the DIN Track from the System Power Supply Unit. If a non-conductive DIN Track is used, a Communications Interface Units is grounded from the FG terminal. |
| Operating environment | Ambient operating temperature | 0 to 55°C                                                                                                                                                                                                                                                                             |
|                       | Ambient operating humidity    | 10% to 95% (with no condensation or icing)                                                                                                                                                                                                                                            |
|                       | Atmosphere                    | Must be free from corrosive gases.                                                                                                                                                                                                                                                    |
|                       | Ambient storage temperature   | -25 to 70°C (with no condensation or icing)                                                                                                                                                                                                                                           |
|                       | Altitude                      | 2,000 m max.                                                                                                                                                                                                                                                                          |
|                       | Pollution degree              | 2 or less: Conforms to JIS B 3502 and IEC 61131-2.                                                                                                                                                                                                                                    |
|                       | Noise immunity                | 2 kV on power supply line (Conforms to IEC 61000-4-4.)                                                                                                                                                                                                                                |
|                       | Overvoltage category          | Category II: Conforms to JIS B 3502 and IEC 61131-2.                                                                                                                                                                                                                                  |
|                       | EMC immunity level            | Zone B                                                                                                                                                                                                                                                                                |
|                       | Vibration resistance          | Conforms to IEC 60068-2-6.<br>5 to 8.4 Hz with 3.5-mm amplitude, 8.4 to 150 Hz, Acceleration of 9.8 m/s <sup>2</sup> , 100 min in X, Y, and Z directions (10 sweeps of 10 min each = 100 min total)                                                                                   |
|                       | Shock resistance              | Conforms to IEC 60068-2-27. 147 m/s <sup>2</sup> , 3 times each in X, Y, and Z directions                                                                                                                                                                                             |
|                       | Insulation resistance         | 20 M $\Omega$ min. between isolated circuits (at 100 VDC)                                                                                                                                                                                                                             |
|                       | Dielectric strength           | 510 VAC between isolated circuits for 1 minute with leakage current of 5 mA max.                                                                                                                                                                                                      |
| Applicable standards  |                               | cULus: Listed (UL508), ANSI/ISA 12.12.01, EC: EN 61131-2, RCM, and KC: KC Registration                                                                                                                                                                                                |

## Specifications of Individual Units

### NX-CIF101

| Item                                             |                                                 | Specification                                                                                      |
|--------------------------------------------------|-------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Number of ports                                  |                                                 | 1                                                                                                  |
| Communications ports                             |                                                 | RS-232C                                                                                            |
| Communications protocol                          |                                                 | No-protocol                                                                                        |
| Communications specifications                    | Communications method                           | Full duplex                                                                                        |
|                                                  | Signal lines *1                                 | ---                                                                                                |
|                                                  | Baud rate [bps] *1                              | 1,200, 2,400, 4,800, 9,600, 19,200, 38,400, 57,600, 115,200, or 230,400                            |
|                                                  | Data length [bits] *1                           | 7 or 8                                                                                             |
|                                                  | Parity *1                                       | Even, odd, or none                                                                                 |
|                                                  | Start bits [bits]                               | Always 1.                                                                                          |
|                                                  | Stop bits [bits] *1                             | 1 or 2                                                                                             |
|                                                  | Flow control *1                                 | None, RS/CS flow control, or Xon/Xoff control                                                      |
|                                                  | Flow control target *1                          | Send/receive, send only, or receive only                                                           |
|                                                  | Initial RS signal value *1 *2                   | ON or OFF                                                                                          |
|                                                  | Number of characters to determine the end *1 *3 | 0 to 10,000 (in increments of 0.1 character))<br>0: The end is not detected.                       |
|                                                  | Maximum communications distance [m]             | 15 *4                                                                                              |
|                                                  | Connection configuration                        | 1:1                                                                                                |
| I/O refreshing method                            |                                                 | Free-Run refreshing only                                                                           |
| PDO data size [bytes] *1                         |                                                 | Inputs or outputs: 4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48, 52, 56, 60, 64, 68, 72, 76, or 80 |
| Transmission buffering enable/disable setting *1 |                                                 | Enabled or disabled                                                                                |
| Functions to back up data                        |                                                 | Provided. *5                                                                                       |
| Terminating resistance setting                   |                                                 | ---                                                                                                |
| Isolation method                                 |                                                 | No isolation                                                                                       |
| Power consumption                                |                                                 | 900 mW max.                                                                                        |
| Weight                                           |                                                 | 66 g max.                                                                                          |
| Installation orientation and restrictions        |                                                 | Installation orientation: 6 possible orientations<br>Restrictions: There are no restrictions.      |

\*1. Setting is possible in the Unit operation settings of the Sysmac Studio.

\*2. This is the value of the RS signal when the port enters the Operational state or immediately after the port is restarted. The initial value is disabled when RS/CS flow control is set.

\*3. This setting is provided for communications protocols that assume the end of the data if data is not received for a specific period of time. For example, if the number of characters to determine the end is set to 35, the end of the data will be assumed if data is not received for the time required to receive 3.5 characters.

\*4. If the baud rate is set to higher than 19,200 bps, refer to the manual for the remote communications device.

\*5. The settings that are backed up are saved in memory in the Communications Coupler Unit. The settings that are backed up are not saved in the Communications Interface Units.

## NX-CIF105

| Item                                             |                                                 | Specification                                                                                      |
|--------------------------------------------------|-------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Number of ports                                  |                                                 | 1                                                                                                  |
| Communications ports                             |                                                 | RS-422A/485                                                                                        |
| Communications protocol                          |                                                 | No-protocol                                                                                        |
| Communications specifications                    | Communications method                           | Half duplex for two-wire connection, Full duplex for four-wire connection                          |
|                                                  | Signal lines *1                                 | Two lines or four lines                                                                            |
|                                                  | Baud rate [bps] *1                              | 1,200, 2,400, 4,800, 9,600, 19,200, 38,400, 57,600, 115,200, or 230,400                            |
|                                                  | Data length [bits] *1                           | 7 or 8                                                                                             |
|                                                  | Parity *1                                       | Even, odd, or none                                                                                 |
|                                                  | Start bits [bits]                               | Always 1.                                                                                          |
|                                                  | Stop bits [bits] *1                             | 1 or 2                                                                                             |
|                                                  | Flow control *1                                 | None or Xon/Xoff control                                                                           |
|                                                  | Flow control target *1                          | Send/receive, send only, or receive only                                                           |
|                                                  | Initial RS signal value *1 *2                   | ON or OFF                                                                                          |
|                                                  | Number of characters to determine the end *1 *3 | 0 to 10,000 (in increments of 0.1 character))<br>0: The end is not detected.                       |
|                                                  | Maximum communications distance [m]             | 1,200 *4                                                                                           |
|                                                  | Connection configuration                        | 1:N<br>Maximum value of N is 32.<br>You can change between two-wire and four-wire connections.     |
| I/O refreshing method                            |                                                 | Free-Run refreshing only                                                                           |
| PDO data size [bytes] *1                         |                                                 | Inputs or outputs: 4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48, 52, 56, 60, 64, 68, 72, 76, or 80 |
| Transmission buffering enable/disable setting *1 |                                                 | Enabled or disabled                                                                                |
| Functions to back up data                        |                                                 | Provided. *5                                                                                       |
| Terminating resistance setting                   |                                                 | Possible                                                                                           |
| Isolation method                                 |                                                 | Power supply: transformer and photocoupler<br>Signals: Digital isolators                           |
| Power consumption                                |                                                 | 1,450 mW max.                                                                                      |
| Weight                                           |                                                 | 69 g max.                                                                                          |
| Installation orientation and restrictions        |                                                 | Installation orientation: 6 possible orientations<br>Restrictions: There are no restrictions.      |

\*1. Setting is possible in the Unit operation settings of the Sysmac Studio.

\*2. This is the value of the RS signal when the port enters the Operational state or immediately after the port is restarted. The initial value is disabled when RS/CS flow control is set. It is also disabled for the NX-CIF105.

\*3. This setting is provided for communications protocols that assume the end of the data if data is not received for a specific period of time. For example, if the number of characters to determine the end is set to 35, the end of the data will be assumed if data is not received for the time required to receive 3.5 characters.

\*4. The maximum total cable length for multidrop connections is 1,200 m.

\*5. The settings that are backed up are saved in memory in the Communications Coupler Unit. The settings that are backed up are not saved in the Communications Interface Units.

## NX-CIF210

| Item                                             |                                                 | Specification                                                                                      |
|--------------------------------------------------|-------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Number of ports                                  |                                                 | 2                                                                                                  |
| Communications ports                             |                                                 | RS-232C                                                                                            |
| Communications protocol                          |                                                 | No-protocol                                                                                        |
| Communications specifications                    | Communications method                           | Full duplex                                                                                        |
|                                                  | Signal lines *1                                 | ---                                                                                                |
|                                                  | Baud rate [bps] *1                              | 1,200, 2,400, 4,800, 9,600, 19,200, 38,400, 57,600, 115,200, or 230,400                            |
|                                                  | Data length [bits] *1                           | 7 or 8                                                                                             |
|                                                  | Parity *1                                       | Even, odd, or none                                                                                 |
|                                                  | Start bits [bits]                               | Always 1.                                                                                          |
|                                                  | Stop bits [bits] *1                             | 1 or 2                                                                                             |
|                                                  | Flow control *1                                 | None, RS/CS flow control, or Xon/Xoff control                                                      |
|                                                  | Flow control target *1                          | Send/receive, send only, or receive only                                                           |
|                                                  | Initial RS signal value *1 *2                   | ON or OFF                                                                                          |
|                                                  | Number of characters to determine the end *1 *3 | 0 to 10,000 (in increments of 0.1 character))<br>0: The end is not detected.                       |
|                                                  | Maximum communications distance [m]             | 15 *4                                                                                              |
|                                                  | Connection configuration                        | 1:1                                                                                                |
| I/O refreshing method                            |                                                 | Free-Run refreshing only                                                                           |
| PDO data size [bytes] *1                         |                                                 | Inputs or outputs: 4, 8, 12, 16, 20, 24, 28, 32, 36, 40, 44, 48, 52, 56, 60, 64, 68, 72, 76, or 80 |
| Transmission buffering enable/disable setting *1 |                                                 | Enabled or disabled                                                                                |
| Functions to back up data                        |                                                 | Provided. *5                                                                                       |
| Terminating resistance setting                   |                                                 | ---                                                                                                |
| Isolation method                                 |                                                 | No isolation                                                                                       |
| Power consumption                                |                                                 | 900 mW max.                                                                                        |
| Weight                                           |                                                 | 91 g max.                                                                                          |
| Installation orientation and restrictions        |                                                 | Installation orientation: 6 possible orientations<br>Restrictions: There are no restrictions.      |

\*1. Setting is possible in the Unit operation settings of the Sysmac Studio.

\*2. This is the value of the RS signal when the port enters the Operational state or immediately after the port is restarted. The initial value is disabled when RS/CS flow control is set.

\*3. This setting is provided for communications protocols that assume the end of the data if data is not received for a specific period of time. For example, if the number of characters to determine the end is set to 35, the end of the data will be assumed if data is not received for the time required to receive 3.5 characters.

\*4. If the baud rate is set to higher than 19,200 bps, refer to the manual for the remote communications device.

\*5. The settings that are backed up are saved in memory in the Communications Coupler Unit. The settings that are backed up are not saved in the Communications Interface Units.

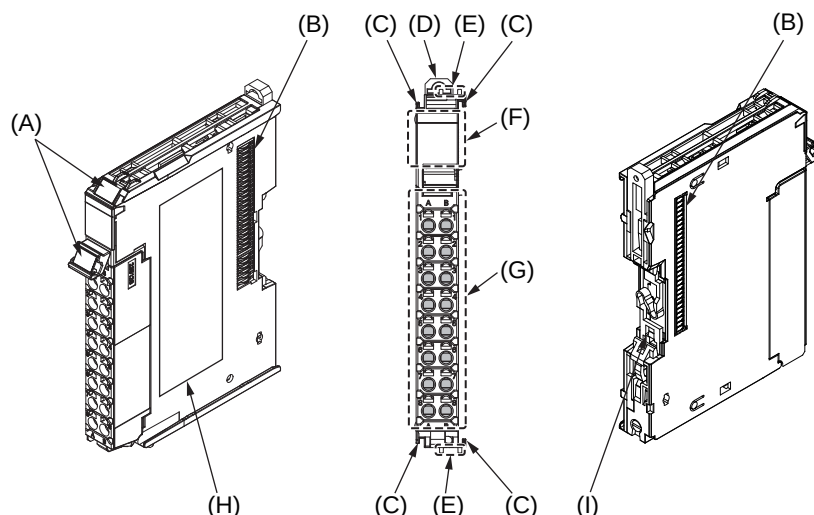
## Version Information

| Communications Interface Units |              | Corresponding version *            |                                                |               |
|--------------------------------|--------------|------------------------------------|------------------------------------------------|---------------|
| Model number                   | Unit version | EtherCAT Coupler Unit<br>NX-ECC20□ | NJ-series CPU Unit<br>NJ501-□□□□ or NJ301-□□□□ | Sysmac Studio |
| NX-CIF101                      | Ver.1.0      | Ver.1.0                            | Ver.1.10                                       | Ver.1.12      |
| NX-CIF105                      |              |                                    |                                                |               |
| NX-CIF210                      |              |                                    |                                                |               |

\* Some Units do not have all of the versions given in the above table. If a Unit does not have the specified version, support is provided by the oldest available version after the specified version. Refer to the user's manuals for the specific Units for the relation between models and versions.

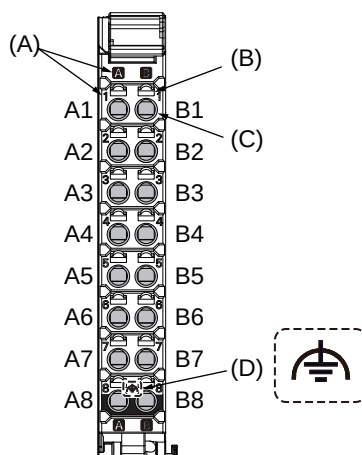
## External Interface

NX-CIF101/-CIF105



| Letter | Name                              | Description                                                                                                                                  |
|--------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| (A)    | Marker attachment location        | This is where the markers are attached. OMRON markers are pre-installed at the factory. You can also install commercially available markers. |
| (B)    | NX bus connector                  | This connector is used to connect each Unit.                                                                                                 |
| (C)    | Unit hookup guides                | These guides are used to connect two Units.                                                                                                  |
| (D)    | DIN Track mounting hooks          | These hooks are used to mount the NX Unit to a DIN Track.                                                                                    |
| (E)    | Protrusions for removing the Unit | These protrusions are to hold onto when you need to pull out the Unit.                                                                       |
| (F)    | Indicators                        | The indicators show the current operating status of the Unit.                                                                                |
| (G)    | Terminal block                    | This terminal block is used to connect the external serial communications device.                                                            |
| (H)    | Unit specifications               | The specifications of the Unit are given here.                                                                                               |
| (I)    | DIN Track contact plate           | This plate is connected internally to the functional ground terminal on the terminalblock.                                                   |

## Terminal Block



| Letter | Name                       | Description                                                                                                                                                                    |
|--------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (A)    | Terminal number indication | The terminal numbers are given by column letters A and B, and row numbers 1 to 8. The combination of the column and row gives the terminal numbers from A1 to A8 and B1 to B8. |
| (B)    | Release hole               | Insert a flat-blade screwdriver into this hole to connect and remove the wire.                                                                                                 |
| (C)    | Terminal hole              | The wire is inserted into this hole.                                                                                                                                           |
| (D)    | Ground terminal mark       | This mark indicates the ground terminals.                                                                                                                                      |

## Applicable Terminal Blocks for Each Unit Model

| Model     | Terminal Blocks |                  |                             |                      |                           |
|-----------|-----------------|------------------|-----------------------------|----------------------|---------------------------|
|           | Terminal Block  | No. of terminals | Terminal number indications | Ground terminal mark | Terminal current capacity |
| NX-CIF101 | NX-TBC162       | 16               | A/B                         | Present              | 10 A                      |
| NX-CIF105 | NX-TBC162       | 16               | A/B                         | Present              | 10 A                      |

## Applicable Wires

### Using Ferrules

If you use ferrules, attach the twisted wires to them.

Observe the application instructions for your ferrules for the wire stripping length when attaching ferrules.

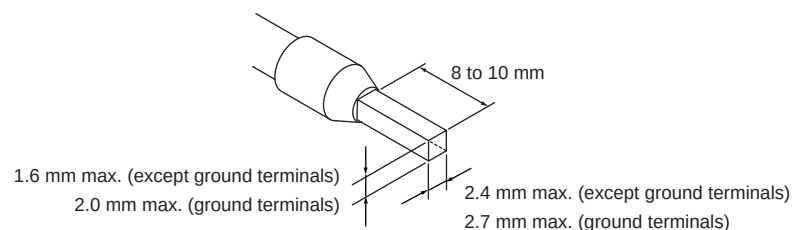
Always use plated one-pin ferrules. Do not use unplated ferrules or two-pin ferrules.

The applicable ferrules, wires, and crimping tool are given in the following table.

| Terminal types                        | Manufacturer    | Ferrule model | Applicable wire (mm <sup>2</sup> (AWG)) | Crimping tool                                                                                                                     |
|---------------------------------------|-----------------|---------------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Terminals other than ground terminals | Phoenix Contact | AI0,34-8      | 0.34 (#22)                              | Phoenix Contact (The figure in parentheses is the applicable wire size.)<br>CRIMPFOX 6 (0.25 to 6 mm <sup>2</sup> , AWG 24 to 10) |
|                                       |                 | AI0,5-8       | 0.5 (#20)                               |                                                                                                                                   |
|                                       |                 | AI0,5-10      |                                         |                                                                                                                                   |
|                                       |                 | AI0,75-8      | 0.75 (#18)                              |                                                                                                                                   |
|                                       |                 | AI0,75-10     |                                         |                                                                                                                                   |
|                                       |                 | AI1,0-8       | 1.0 (#18)                               |                                                                                                                                   |
|                                       |                 | AI1,0-10      |                                         |                                                                                                                                   |
|                                       |                 | AI1,5-8       | 1.5 (#16)                               |                                                                                                                                   |
|                                       |                 | AI1,5-10      |                                         |                                                                                                                                   |
| Ground terminals                      |                 | AI2,5-10      | 2.0 *1                                  |                                                                                                                                   |
| Terminals other than ground terminals | Weidmuller      | H0.14/12      | 0.14 (#26)                              | Weidmueller (The figure in parentheses is the applicable wire size.)<br>PZ6 Roto (0.14 to 6 mm <sup>2</sup> , AWG 26 to 10)       |
|                                       |                 | H0.25/12      | 0.25 (#24)                              |                                                                                                                                   |
|                                       |                 | H0.34/12      | 0.34 (#22)                              |                                                                                                                                   |
|                                       |                 | H0.5/14       | 0.5 (#20)                               |                                                                                                                                   |
|                                       |                 | H0.5/16       |                                         |                                                                                                                                   |
|                                       |                 | H0.75/14      | 0.75 (#18)                              |                                                                                                                                   |
|                                       |                 | H0.75/16      |                                         |                                                                                                                                   |
|                                       |                 | H1.0/14       | 1.0 (#18)                               |                                                                                                                                   |
|                                       |                 | H1.0/16       |                                         |                                                                                                                                   |
|                                       |                 | H1.5/14       | 1.5 (#16)                               |                                                                                                                                   |
|                                       |                 | H1.5/16       |                                         |                                                                                                                                   |

\*1. Some AWG 14 wires exceed 2.0 mm<sup>2</sup> and cannot be used in the screwless clamping terminal block.

When you use any ferrules other than those in the above table, crimp them to the twisted wires so that the following processed dimensions are achieved.



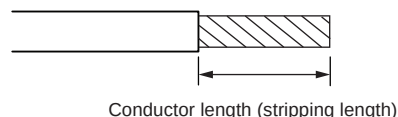
### Using Twisted Wires/Solid Wires

If you use the twisted wires or the solid wires, use the following table to determine the correct wire specifications.

| Terminals                                |                                     | Wire type      |                 |                 |                 | Wire size                                  | Conductor length<br>(stripping length) |
|------------------------------------------|-------------------------------------|----------------|-----------------|-----------------|-----------------|--------------------------------------------|----------------------------------------|
|                                          |                                     | Twisted wires  |                 | Solid wire      |                 |                                            |                                        |
| Classification                           | Current capacity                    | Plated         | Unplated        | Plated          | Unplated        |                                            |                                        |
| All terminals except<br>ground terminals | 2 A max.                            | Possible       | Possible        | Possible        | Possible        | 0.08 to 1.5 mm <sup>2</sup><br>AWG28 to 16 | 8 to 10 mm                             |
|                                          | Greater than<br>2 A and 4 A or less |                | Not<br>Possible | Possible<br>*1  | Not<br>Possible |                                            |                                        |
|                                          | Greater than<br>4 A                 | Possible<br>*1 |                 | Not<br>Possible |                 |                                            |                                        |
| Ground terminals                         | ---                                 | Possible       | Possible        | Possible<br>*2  | Possible<br>*2  | 2.0 mm <sup>2</sup>                        | 9 to 10 mm                             |

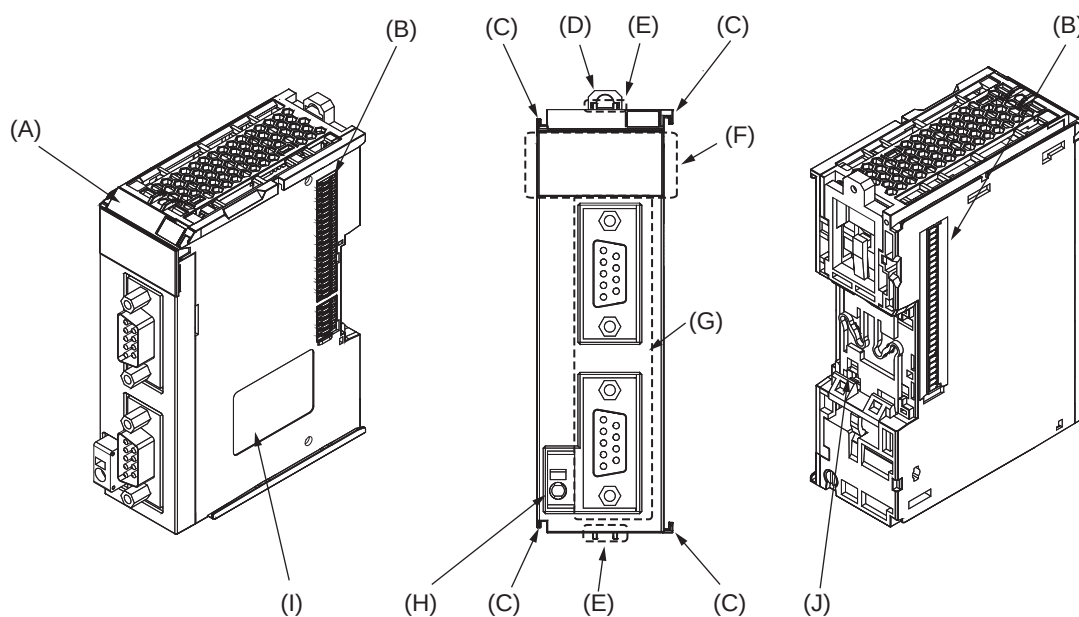
\*1 Secure wires to the screwless clamping terminal block. Refer to the Securing Wires in the USER'S MANUAL for how to secure wires.

\*2 With the NX-TB□□□1 Terminal Block, use twisted wires to connect the ground terminal. Do not use a solid wire.



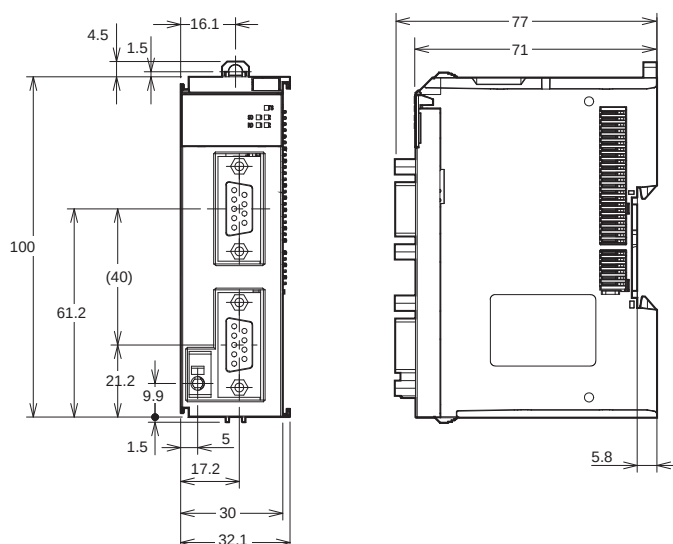
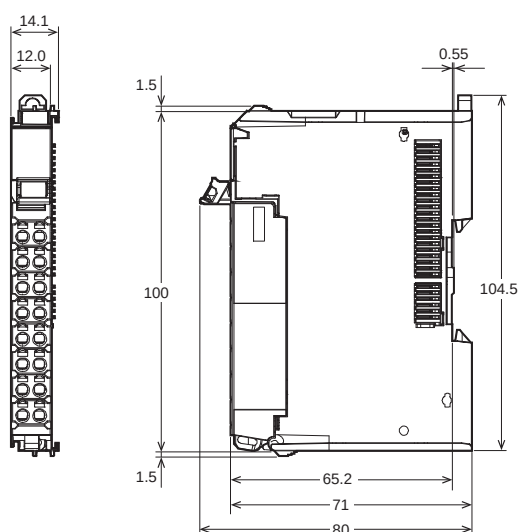
<Additional Information> If more than 2 A will flow on the wires, use plated wires or use ferrules.

## NX-CIF210



| Letter | Name                              | Description                                                                                                                                  |
|--------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| (A)    | Marker attachment location        | This is where the markers are attached. OMRON markers are pre-installed at the factory. You can also install commercially available markers. |
| (B)    | NX bus connector                  | This connector is used to connect each Unit.                                                                                                 |
| (C)    | Unit hookup guides                | These guides are used to connect two Units.                                                                                                  |
| (D)    | DIN Track mounting hooks          | These hooks are used to mount the NX Unit to a DIN Track.                                                                                    |
| (E)    | Protrusions for removing the Unit | These protrusions are to hold onto when you need to pull out the Unit.                                                                       |
| (F)    | Indicators                        | The indicators show the current operating status of the Unit.                                                                                |
| (G)    | D-Sub connector                   | This connector is used to connect the external serial communications device. This is the D-Sub connector plug.                               |
| (H)    | FG terminal                       | This is the external ground connection terminal. It is a screwless clamping terminal.                                                        |
| (I)    | Unit specifications               | The specifications of the Unit are given here.                                                                                               |
| (J)    | DIN Track contact plate           | This plate is connected internally to the functional ground terminal on the terminal block.                                                  |

## NX-CIF101 and NX-CIF105



Technical drawing of the front view of the device. Dimensions are indicated by arrows and numbers:

- Overall width: 160
- Distance from left edge to the start of the main body: 129
- Distance from the start of the main body to the right edge: 77
- Distance from the start of the main body to the right edge (excluding the top flange): 71

## Related Manuals

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| Man. No | Model     | Manual                                                       | Application                                                        | Description                                                                                                    |
|---------|-----------|--------------------------------------------------------------|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| W540    | NX-CIF□□□ | NX-series<br>Communications Interface<br>Units User's Manual | Learning how to use<br>NX-series Communications<br>Interface Units | The hardware, setup methods, and functions of the<br>NX-series Communications Interface Unit are<br>described. |

## Terms and Conditions Agreement

### Read and understand this catalog.

Please read and understand this catalog before purchasing the products. Please consult your OMRON representative if you have any questions or comments.

### Warranties.

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